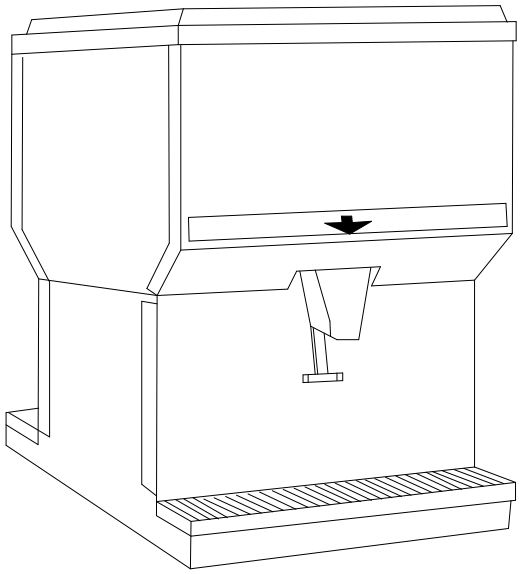
REMCOR®

DUAL ICE DISPENSER

MODELS: TJ45-D TJ90-D

Operator's Manual



Part No. 90665
August 1995
Revision B

THIS DOCUMENT CONTAINS IMPORTANT INFORMATION
This Manual must be read and understood before installing or operating this equipment

â REMCOR INC:

PRINTED IN U.S.A

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Manufactured Under One or More of the Following Patent Numbers:
3,211,336, 3,274,792, 3,393,839 , 3,517,860, 3,739,842, 4,215,803, 4,227,377, 4,300,3594,346,824
Canadian Patent Numbers912,514 (10/72), 936,855 (11,73), 4,429,543, 4,921,149
Other Patents Pending

SAFETY PRECAUTIONS

Always disconnect power to the dispenser before servicing or cleaning.

Never place hands inside of hopper or gate area without disconnecting power to the dispenser. Agitator rotation occurs automatically when the dispenser is energized!

This ice dispenser has been specifically designed to provide protection against personal injury and eliminates contamination of ice. To insure continued protection and sanitation, observe the following

ALWAYS be sure the removable lid is properly installed to prevent unauthorized access to the hopper interior and possible contamination of ice.

ALWAYS be sure the upper and lower front panels are securely fastened.

ALWAYS keep area around the dispenser clean of ice cubes.

CAUTION: Dispenser cannot be used with crushed or flaked ice. Use of bagged ice which has frozen into large chunks can void warranty. The dispenser agitator is not designed to be an ice crusher. Use of large chunks of ice which "jam up" inside the hopper will cause failure of the agitator motor and damage to the hopper. If bagged ice is used, it must be carefully and completely broken into small, cube-sized pieces before filing into the dispenser hopper.

GENERAL DESCRIPTION

The Remcor "TJ" series of ice dispensers will solve ice service needs in the sanitary, space saving, economical way. Designed to be manually filled with ice from any remote ice making source, these dispensers will dispense cubes (up 1" in size), cubelets, hard-chipped or cracked ice.

Table 1. Specifications

Model:	TJ45-D
Ice Storage Capacity:	45 lbs.
Electrical:	120/1/60 3AMP
Drain Connection:	3/4" F.P.T.
Electrical Connection:	6', 3-wire cord with 3-prong ground-type plug
Dimensions:	26½ "H x 16"W x 22"D
Model:	TJ90-D
Ice Storage Capacity:	90 lbs.
Electrical:	120/1/60 3AMP
Drain Connection:	3/4" F.P.T.
Electrical Connection:	6', 3-wire cord with 3-prong ground-type plug
Dimensions:	30"H x 22" W x 28"D

CAUTION: Dispenser cannot be used with crushed or flaked ice. Use of bagged ice, which has frozen into large chunks can void warranty. The dispenser agitator is not designed to be an ice crusher – use of large chunks of ice which "jam–up" inside the hopper will cause failure of the agitator motor and damage to the hopper. If bagged ice is used it must be carefully and completely broken into small, cube-size pieces before filling into the dispenser hopper.

INSTALLATION INSTRUCTIONS

1. *Locate the dispenser indoors on a level counter top, unpack 4 legs and install them into the threaded holes provided in the bottom of the unit.
2. Connect 3/4" IPS (or equal) drain line to the 3/4" threaded drain connections at the lower rear of the unit. This line *must pitch downward* to an open drain, and must contain *no traps*, or improper drainage will result.
3. Clean the hopper interior (see cleaning instructions).
4. Connect the power cord to a 120 volt, 60 Hz. 3-wire grounded receptacle.

Unit is now ready for operation.

NOTE: *Figure 1, page 6 provides mounting template for those who desire to mount dispensers on a counter.

NOTE: Water pipe connections and fixtures directly connected to a potable water supply shall be sized, installed and maintained according to Federal, State, and Local Laws

OPERATOR INSTRUCTION

OPERATING INSTRUCTIONS

Fill the hopper with ice and replace the lid. Pushing the dispense lever will cause ice to flow from the ice chute. Ice flow will continue until the lever is released. If ice does not dispense, see the "Troubleshooting Guide" to fine the cause

CAUTION: Use caution to avoid spilling ice when filling dispenser. Clean up immediately and spilled ice from filling or operating the unit. To prevent contamination of ice, the lid must be installed on the unit at all times.

CLEANING INSTRUCTIONS

WARNING: Disconnect power before cleaning. Do not use metal scrapers, sharp objects, or abrasives on the surface of the liner as damage may result. Do not use solvents or other cleaning agents, as they may attack the plastic liner.

Dispenser

1. Clean the ice dispenser interior at lease once a month.
2. Remove agitator assembly and wash and rinse it thoroughly.
3. Wash down the inside of hopper and top cover with mild detergent solution and rinse thoroughly to remove all traces of detergent.
4. Replace agitator.

5. Sanitize the inside of hopper and agitator with a solution of 1/2 ounce household bleach in 1 gallon of water. (200 PPM)

6. Remove Ice chute cover as follows:

   A. Flex sides outward to disengage lower pins.

   B. Lift Ice Chute cover to disengage upper pins.

   C. Lower Ice Chute cover down out of unit. Note: It may be helpful to twist cover slightly.

7. Clean the inside of the ice chute and ice chute cover with a mild detergent solution and rinse thoroughly to remove all traces of detergent.

8. Reverse steps above to reassemble ice chute.

9. Sanitize as descried in step 5.

MAINTENANCE

The following dispenser maintenance should be performed at the intervals indicated:

DAILY or as required

Remove foreign material from the vending area sink to prevent drain blockage.

WEEKLY or as required

Clean vending area. Check for proper water drainage from the vending area sink.

MONTHLY

Clean and sanitize the hopper interior (see CLEANING INSTRUCTIONS).

If the dispenser fails to dispense ice when operated, check that the hopper has ice in it and that power is being supplied to the unit. If the problem persists, check the following:

1. Determine if the agitator is rotating (check for the sound of ice movement in the hopper).
2. Observe whether the gate is operating.

After checking the above, refer to the TROUBLESHOOTING GUIDE for possible problem causes and corrective action.

CAUTION: Use caution to avoid spilling ice when filling dispenser. Clean up immediately any spilled ice from filling or operating the unit. To prevent contamination of ice, the lid must be installed on the unit at all times.

TOUBLESHOOTING

IMPORTANT: only qualified personnel should service internal components.

Should your unit fail to operate properly, check that the electric plug is secure, and that the hopper contains ice. If the unit still does not dispense, check the following chare under the appropriate symptoms to aid in locating the defect.

Trouble	Probable Cause
BLOWN FUSE OR CIRCUIT BREAKER.	A. Short circuit in wiring. B. Defective gate solenoid. C. Defective agitator motor.
GATE DOES NOT OPEN. AGITATOR DOES NOT TURN.	A. No power. B. Defective dispensing switch. C. Bent depressor lever (does not actuate switch).
GATE NOES NOT OPEN OR IS SLUGGISH. AGITATOR TURNS.	A. Excessive pressure against gate slide. B. Defective gate solenoid. C. Weak gate spring.
GATE OPENS. AGITATOR DOES NOT TURN.	A. Ice solidified in hopper. B. Defective agitator motor. C. Defective capacitor (TJ90 only).
ICE DISPENSES CONTINUOUSLY.	A. Stuck or bent depressor lever (does not release switch). B. Defective dispensing switch. C. Improper switch installation.
SLUSHY ICE. WATER IN HOPPER.	A. Blocked drain. B. Unit not level. C. Poor ice quality due to water quality or icemaker problem. D. Improper use of flake ice.

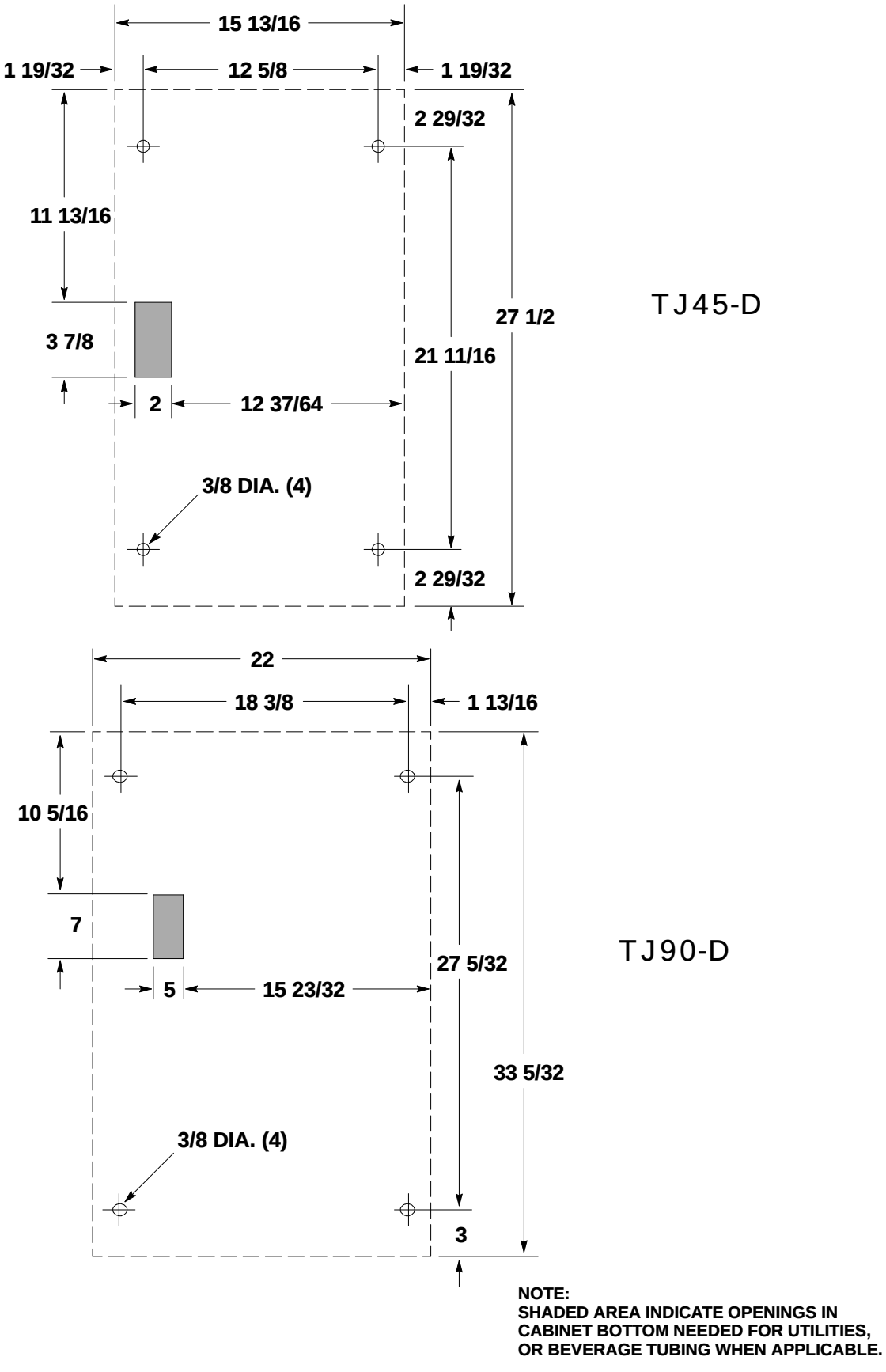
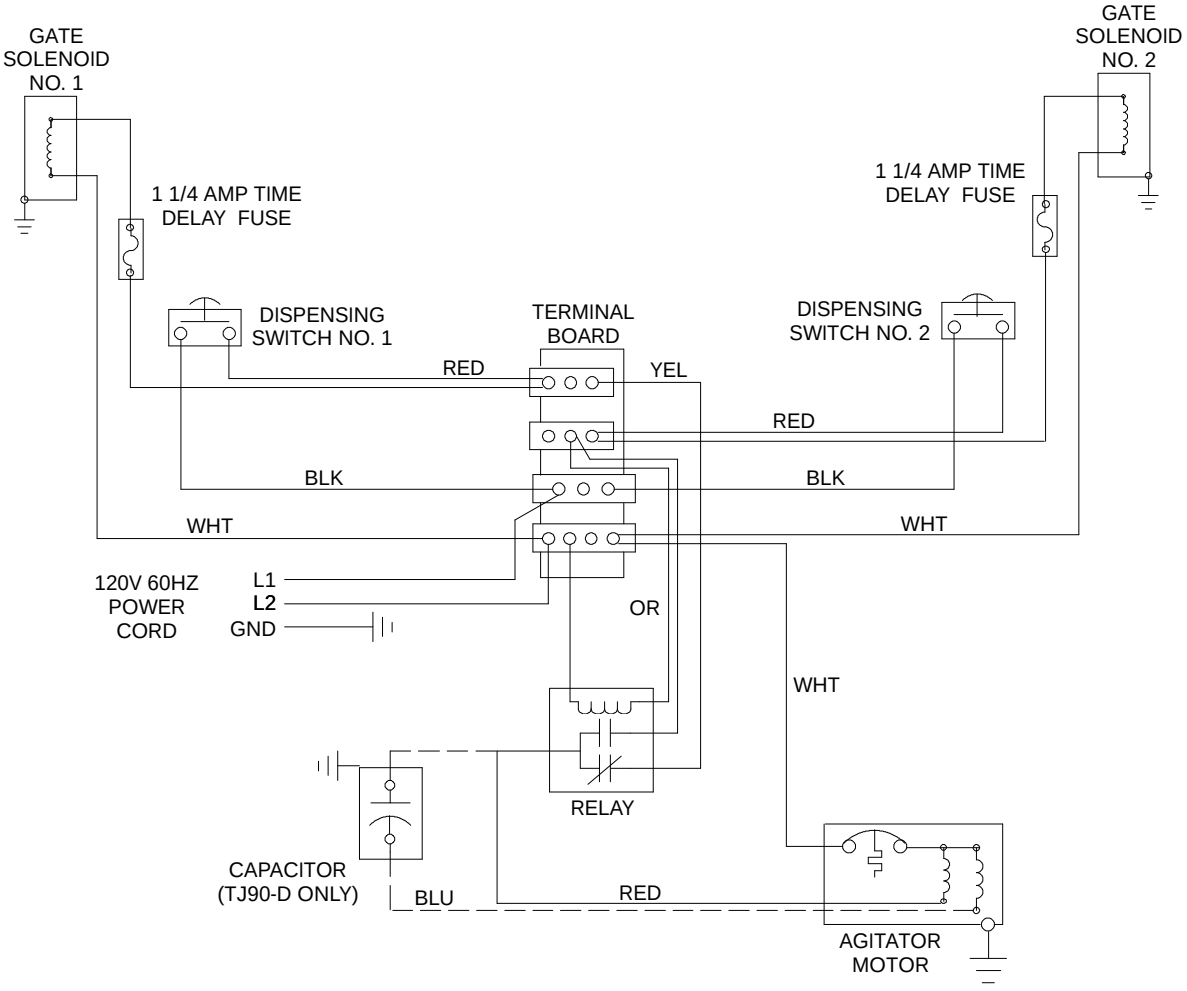
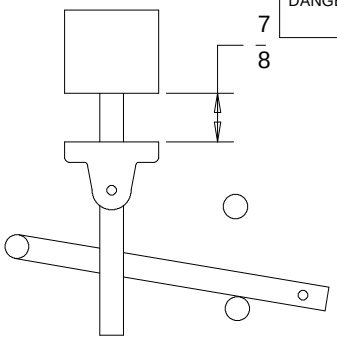


FIGURE 1. MOUNTING TEMPLATES



SERVICE INFORMATION

DANGER! ELECTRIC SHOCK HAZARD. DISCONNECT POWER BEFORE SERVICING UNIT.



SOLENOID ADJUSTMENT

WHEN REPLACING SOLENOID ADJUST TO 7/8 AS SHOWN BEFORE TIGHTENING MOUNTING SCREWS

FIGURE 2. WIRING DIAGRAM TJ45, 90-D DISPENSER

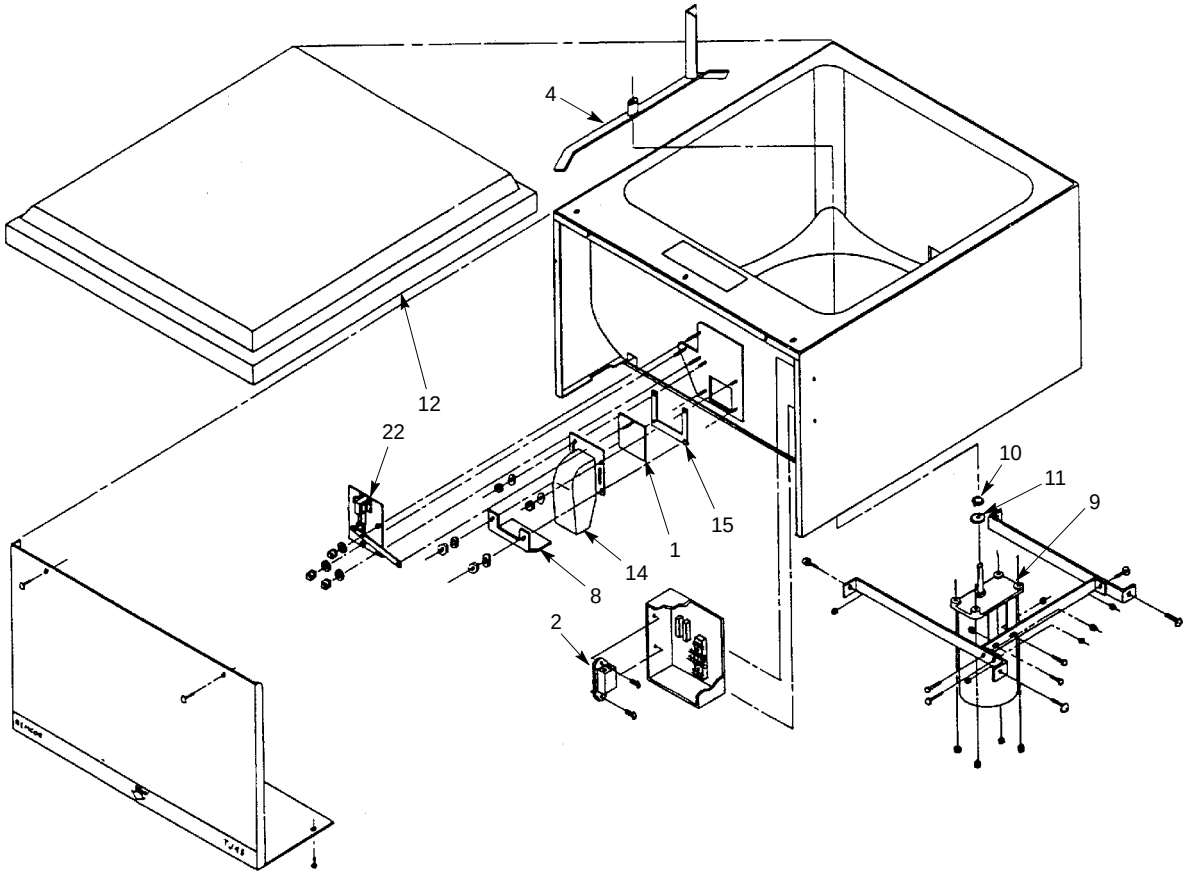


FIGURE 3. EXPLODED VIEW UPPER SECTION TJ45

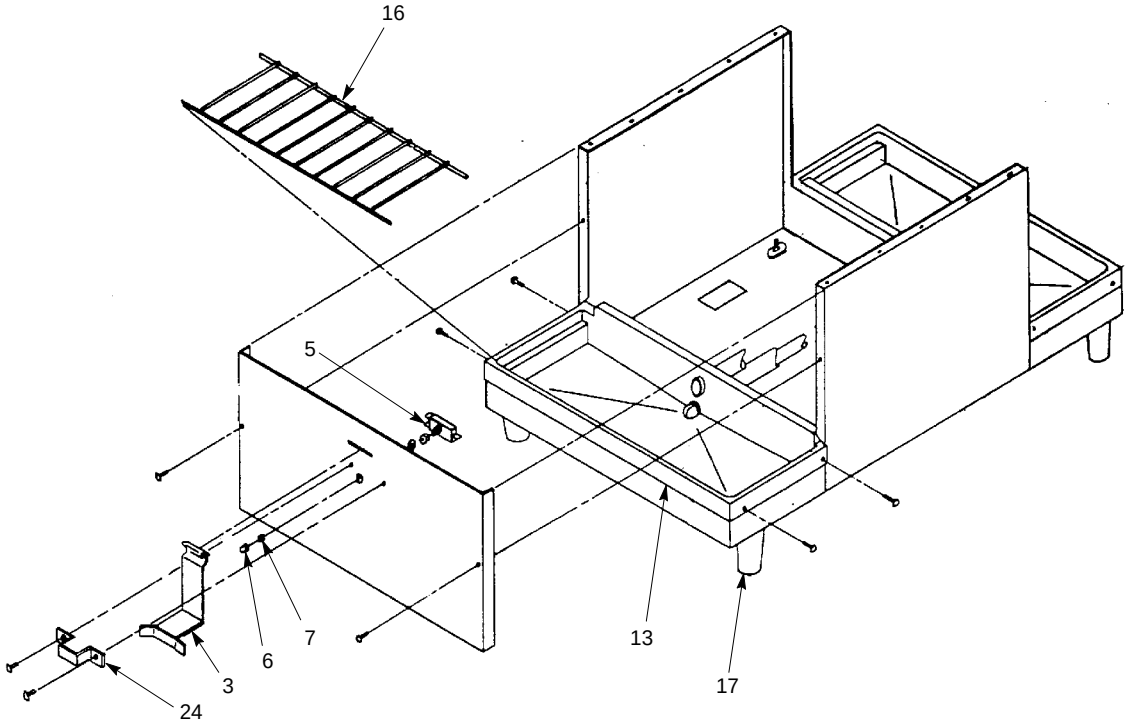


FIGURE 4. EXPLODED VIEW LOWER SECTION TJ45

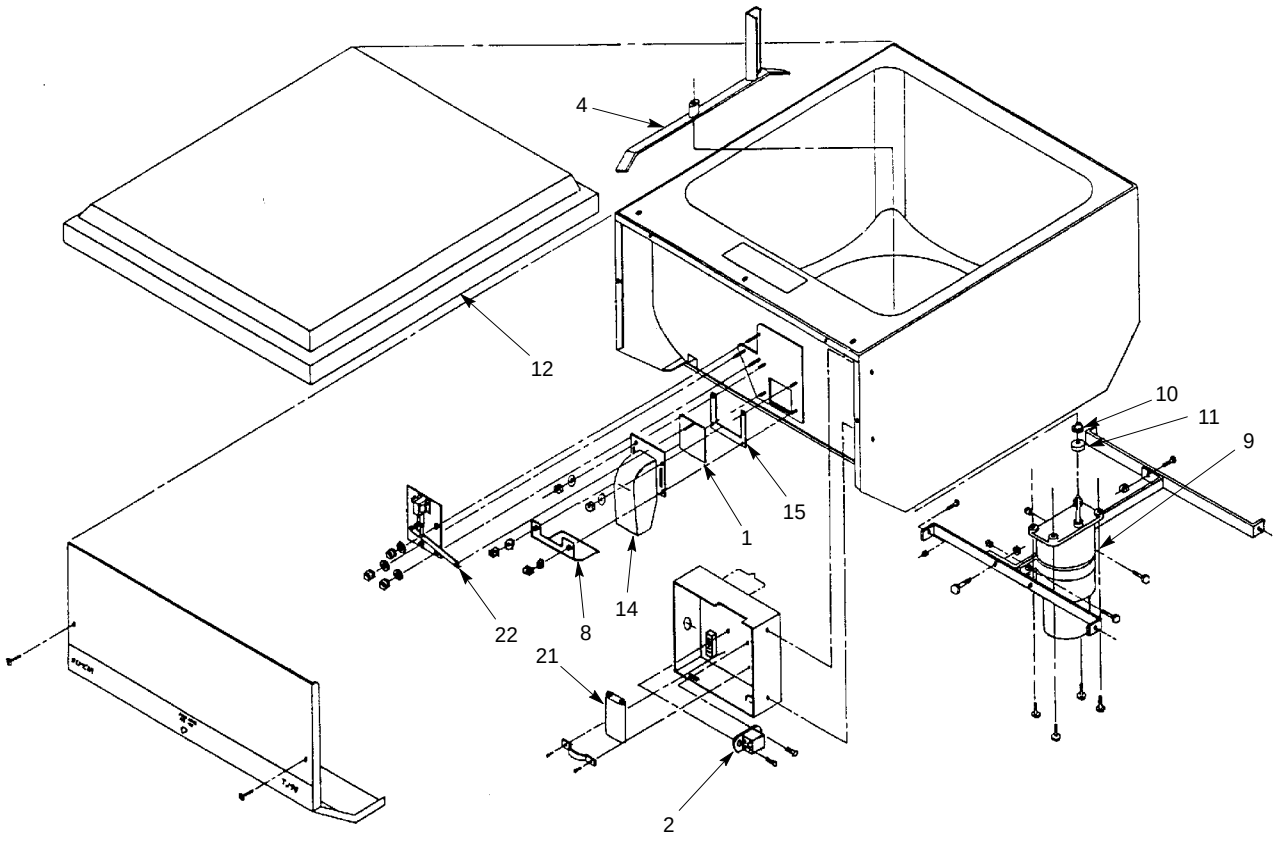


FIGURE 5. EXPLODED VIEW UPPER SECTION TJ90

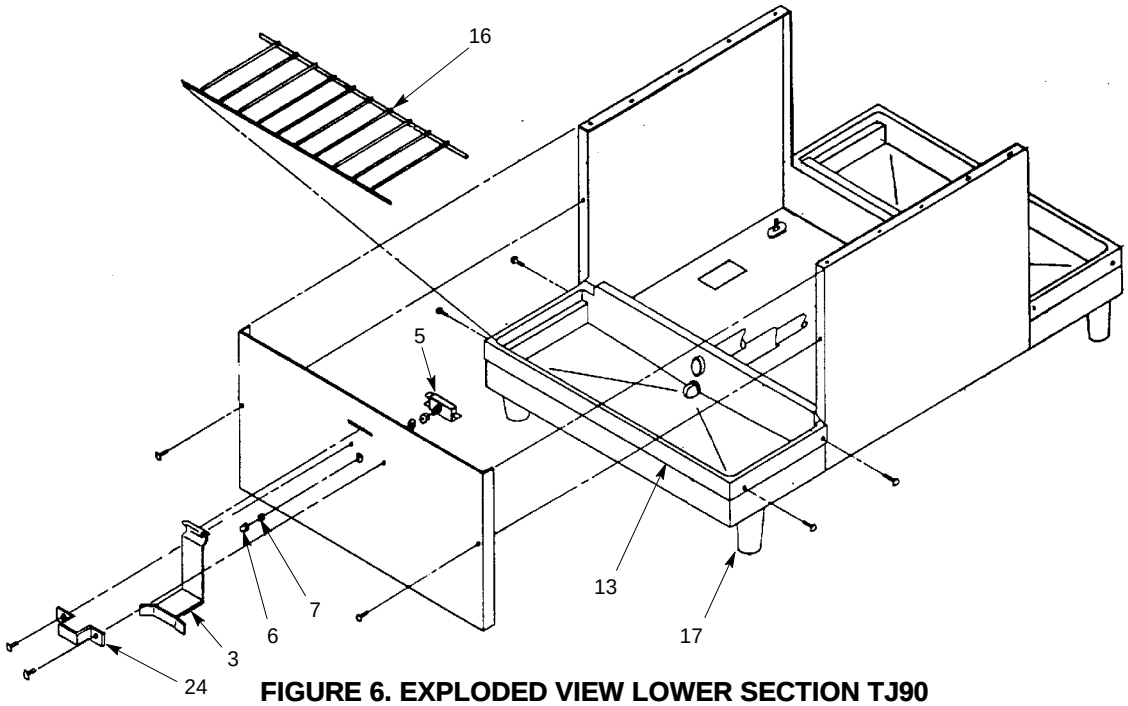


FIGURE 6. EXPLODED VIEW LOWER SECTION TJ90

PARTS LIST

Item No.	Part No. TJ45	Part No. TJ90	Description
1	21491	21491	Gate Slide
2	31206	31206	Relay
3	21515	21515	Depressor Lever
4	21517	21629	Agitator
5	30895	30895	Dispensing Switch
6	31007	31007	Switch Boot
7	31163	31163	Switch Insert
8	23062	23062	Foam Shield
9	31106	31112	Agitator Motor
10	50454	50454	Motor Shaft Seal
11	50481	50806	Motor Gasket
12	50880	50885	Lid
13	50750	50793	Sink
14	53015	53015	Ice Chute Back Section
	53016	53016	Ice Chute Cover
15	50770	50770	Gate Gasket
16	70426	70441	Sink Grill
17	70419	70419	Leg
18	90295	90295	Cleaning Label
19	90615	90615	Wiring Diagram (Not Shown on Exploded View)
20	90616	90628	"Press for Ice" Label
21	–––––	30774	Capacitor
22	31093	31093	Solenoid Assembly
23	70438	70438	Rebuilding Kit
24	22644	22644	Depressor Retainer

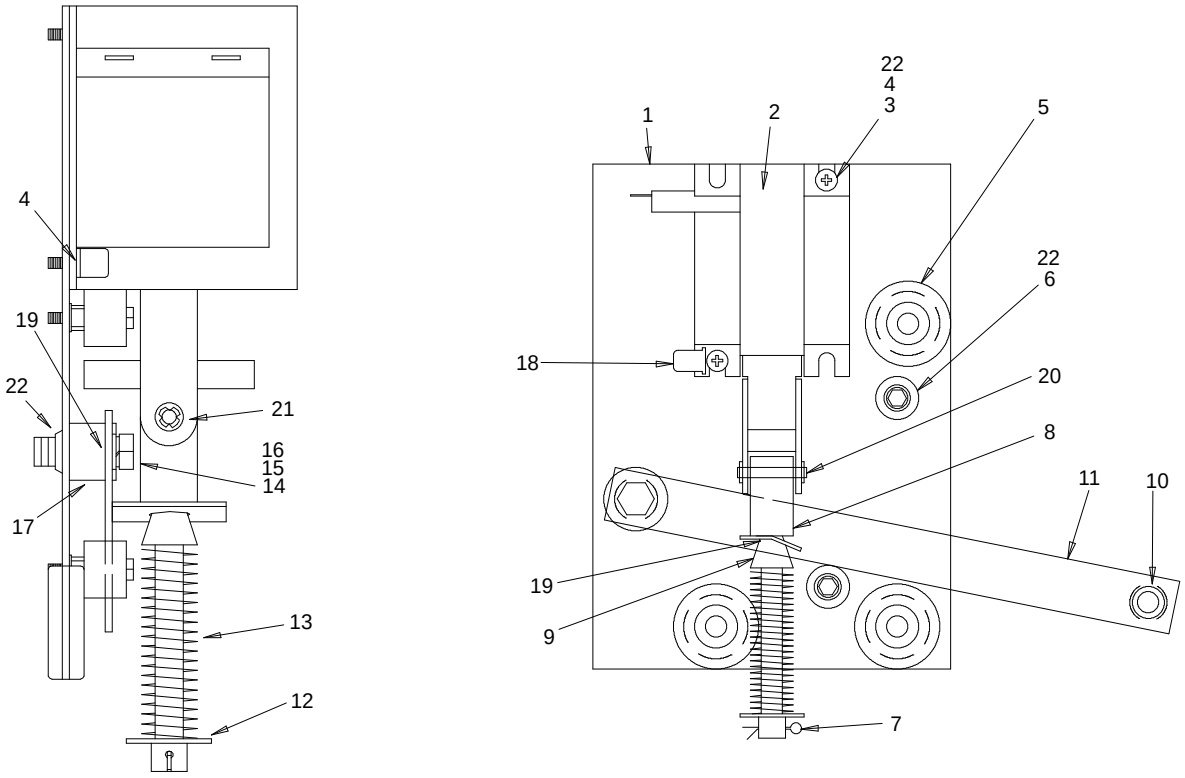


FIGURE 7. SOLENOID ASSEMBLY

Index No.	Part No.	Qty.	Name
1	21493	1	Solenoid Mounting Plate
2#	31551	1	Solenoid Service Kit
3	70171	2	8–32 x 3/8 Phil Tr HD Screw
4	70121	2	No. 8 Lockwasher
5	50752	3	Isolator
6*	50789	2	Bumper Assembly
7*	70423	1	Cotter Pin
8*	10080	1	Gate Lift Rod
9	10081	1	Gate Lift Rod Bushing
10	50754	1	Gate Arm Bearing
11	21492	1	Gate lift Arm
12	70043	1	Flatwasher
13*	70422	1	Spring
14	70263	1	1/4-20 x 3/4 Hex Hd Screw
15	70048	1	1/4 Lockwasher
16	70066	1	1/4 Flatwasher
17	10077	1	Pivot Bearing
18	30227	1	1/4 Quick Connect Tab
19	50305	––	Lubricant
20*	21592	1	Solenoid Linkage Pin
21*	70433	2	Retainer Ring
22	51088	––	Loctite
––*	70438	––	Rebuilding Kit

NOTE: * Parts supplied with rebuilding kit.
 # 31551 solenoid supplied with items 20 & 21.

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WARRANTY

IMI Cornelius Inc. and Remcor Products Company warrants that all equipment and parts are free from defects in material and workmanship under normal use and service. For a copy of the warranty applicable to your Cornelius and or Remcor product, in your country, please write, fax or telephone the IMI Cornelius office nearest you. Please provide the equipment model number, serial number and the date of purchase.

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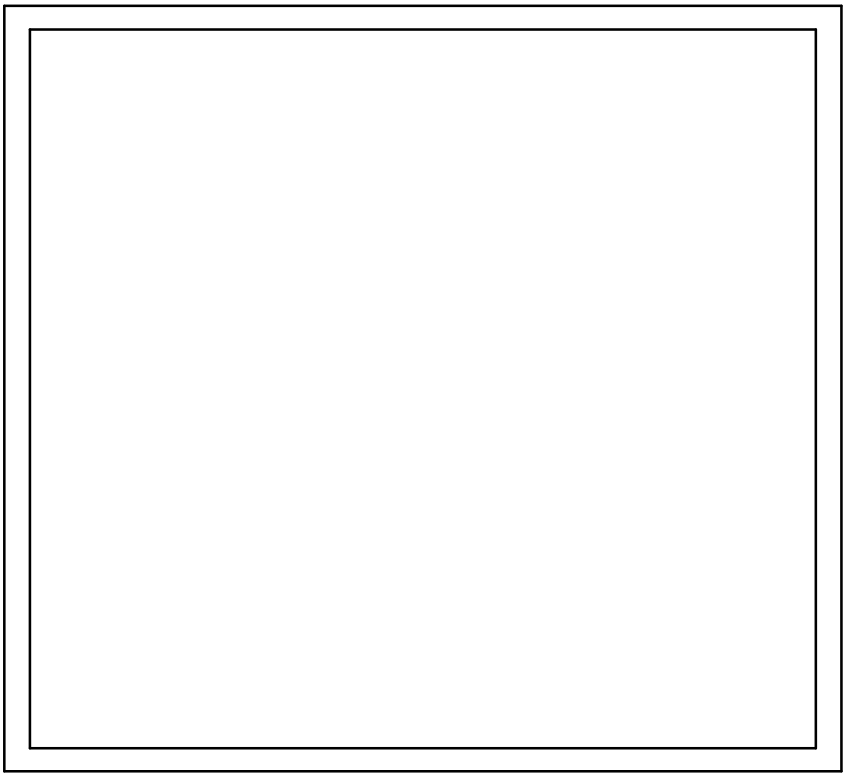

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